PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

Proceedings of the Madras Government,

FOR THE

MONTH OF JUNE 1870.

PUBLIC WORKS DEPARTMENT.

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Proceedings of the Madras Government

RELATING TO ESTABLISHMENT.

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22	257	*The Government of India* furnished with the above particulars.	20th June No. 1,497.	....	Ditto.	Ibid
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24	260&261	*Barrrck Master.*—Passing orders on Proceedings in the Military Department relative to the powers of the —, Fort Saint George, in connection with repairs, etc., to Military buildings.	20th June No. 1,499.	....	26th April 1870, Nos. 372, 373.	Ibid
25	264&265	*Contract Bond.*—Passing orders on the letter from the Government Pleader submitting, with remarks, form of — to be adopted for petty works.	20th June No. 1,501.	....	27th Jan. 1869, No. 495. 16th May 1870, Nos. 245, 246.	28
26	268&269	*Establishment.*—The entertainment by Mr. Sub-Engineer Smithers of certain — at a monthly cost of Rupees 27, authorized.	21st June No. 1,503.	....	....	30
97	281&282	*Suit.*—Passing orders on a letter from the Superintending Engineer of the 8th Division requesting permission to defend a — which has been instituted in the District Moonsiff's Court at Striviguntum by certain ryots against Public Works officers for the recovery of losses alleged to have been sustained by the opening of a Syphon sluice, etc.	21st June No. 1,510.	....	....	31

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28	289&290	*Loane S. J. Apprentice.*—The arrangement proposed by the Superintending Engineer of the 7th Division, relative to the outfit allowance of Rupees 100 sanctioned to be disbursed to — , approved.	22nd June No. 1,514.	....	4th Jun[e] 1870, Nos. 66, 67.	33
29	294&295	*Articles.*—Further definite information requested regarding the circumstances under which the loss of certain — , through the carelessness on the part of Mr. Overseer Hennessy, took place.	22nd June No. 1,517.	....	7th Ma[y] 1870, Nos. 13[...]5, 136.	Ibid
30	303&304	*Seton, Mr. Supervisor.*—Passing orders on the letter from the Superintending Engineer of the 8th Division bringing to notice the irregular proceedings of —.	22nd June No. 1,521.	....	24th Ma[y] 1870, No. 160. Mis.	34
31	343&344	*Quarters.*—Letter from the Quarter Master General recommending that steps may be taken to secure the retention of the house known as Rock Hall at Calicut as — for the Officer Commanding the Detachment of Europeans at that station, communicated to the Superintending Engineer of the 7th Division with instruction.	27th June No. 1,542.	....	10th Jan. 1866, Nos. 21[...]6, 217. 20th Aug. 1869, Nos. 42[...]4, 425.	35
32	362&363	*Unanswered References List.*—Permission granted for the omission from future — of the orders calling for estimates for certain Military buildings at Bangalore.	28th June No. 1,552.	....	5th Feb. 1868, Nos. 9[...]9, 100. 14th Ma[y] 1868, Nos. 37[...]6, 377. 27th Ju[ly] 1869, Nos. 63[...]2, 633.	36
33	369&370	*Accident.*—Letter from the Superintending Engineer of the 1st Division, reporting an — by which an old man and two boys were burnt to death near the Muddoor Anicut, Godavery District, recorded.	28th June No. 1,556.	....	....	Ibid
34	377&378	*Vernaculars.*—The Secretary to the Committee for the Examination of Assistants informed that the orders of the 19th March 1870, No. 818, were not intended to make any change in the existing rules for the examination of the members of the Public Works Department in the—, and directing that the allowance to be passed to Covenanted Engineers be fixed at Rupees 180.	29th June No. 1,560.	....	19th March 1870, Nos. 355, 356.	37
35	381&382	*Transfer.*—Letter from the Superintending Engineer of the 5th Division, reporting the — of Overseer P. Rungasawmy Naidoo to the Salem District, and the appointment of A. Coopoosawmy Moodelly to the South Arcot District, recorded.	29th June No. 1,562.	....	20th April 1870, Nos. 233, 234. 1st July 1870, Nos. 11, 12.	38

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36	396&397	*Stores.*—Intimation given that it is the duty of an Executive Officer, to whose care — intended for use in a Range other than his own are consigned, to arrange for their prompt despatch to their destination.	30th June No. 1,569.	....	....	38
37	406&407	*Civil Engineering College.*—The proposal for grading the Principal and Masters of the —, ordered to lie over.	30th June No. 1,574.	....	26th April 1866, Nos. 595, 597.	39
38	412&413	*Telegrams.*— Proceedings of the Madras Government, Telegraph Department, communicating Circular from the Government of India, issuing instructions relative to keeping secret the code of cypher —, recorded.	30th June No. 1,577.	....	....	43

ESTABLISHMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

PUBLIC WORKS DEPARTMENT.

For the month of June 1870.

No. 3. Read the following Despatch from the Right Honourable the Secretary of State for India, (Public Works,) to His Excellency the Right Honourable the Governor in Council, Fort Saint George, dated India Office, London, 28th April 1870, No. 7 :—

No. 6,	dated	14th	February	1870.
,, 7,	,,	14th	,,	,,
,, 8,	,,	14th	,,	,,
,, 9,	,,	14th	,,	,,
,, 10,	,,	21st	,,	,,
,, 11,	,,	21st	March	,,

YOUR Excellency's Despatches of the dates noted in the margin have been received, and will be attended to.

No. 4. ORDER THEREON, 1st June 1870, No. 1,361.

ESTABLISHMENT, No. 1.

ORDERED to be recorded.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 11. Read the following :—

List of Orders of Government remaining unanswered up to 30th September 1869.

Number and date of Government Order.		Subject.	Explanation of the cause of delay in forwarding a reply.	Remarks by the Superintending Engineer.
2,223	17th Sept. 1862.	Calling for the remarks of the District Engineer, Vizagapatam, on paragraph 8 of the letter from the Chief Commissioner, Central Provinces, contradicting the statement that the road from Vizagapatam to Jeypore, viâ Golgondah, will tend to develope the cotton trade, and to submit survey and plans of a road to Jeypore, viâ Golgondah.	Replied. See letter No. 1,056, dated 5th October 1864.	Not removed from the list, *vide* G. O., No. 3,031, dated 21st October 1864.
3,407 495 1,941	21st Nov. 1863. 19th Feb. 1864. 4th July 1864, paragraph 4.	Calling for estimates for the Petta Ghaut road through Jeypore, and for the road from Vizagapatam to Parvatipur.	Delayed for want of special Officer.	Estimate for the road from Vizagapatam to Parvatipur has already been sanctioned.
704	14th March 1865.	Requests the submission of the information called for in Memorandum No. 147, of the 31st December 1864, regarding certain works in the Godavery.	A Map showing all important masonry works in the Godavery delta has been sent to the Chief Engineer of French Settlement.	A special application will be made to omit this from the list.
1,783	6th June 1866.	Requests to furnish plans and estimates, etc., of large irrigation works dependent on the Godavery Anicut.	Plans and estimates under revision.	
2,543	13th Aug. 1866.	Calling for a plan and estimate for a road to connect the Kuppili Salt Pans with the new trunk line at Chilkapalem.	Estimate Rupees 23,200 sanctioned in G. O., No. 1,974, dated 17th June 1869.	
		Do. for do. for a road from Chilkapalem to Rajam.	Under preparation.	
3,226 3,718 73	10th Oct. 1866. 21st Nov. ,, 9th Jan. 1867.	Calling for plans and estimates for increasing the supply of water in Ganjam by improving existing and constructing fresh sources of irrigation, etc., etc.	Captain T. Beckley, R.E., is engaged on this project.	
190 161	19th Jan. 1867. 17th ,, ,,	Requesting to submit plans and estimates for the proposed quarters for the Superintendent of Central Jail at Rajahmundry.	Deferred till further Orders.—See G. O., No. 6,145, of 28th February 1867.	

List of Orders of Government remaining unanswered up to 30th September 1869.

Number and date of Government Order.		Subject.	Explanation of the cause of delay in forwarding a reply.	Remarks by the Superintending Engineer.
322	1st Feb. 1867.	Calling for plans and estimates, etc., for the completion of the Salt pans at Bimlipatam.	Plans, etc., forwarded to the Board of Revenue, through the Collector of Vizagapatam.	Ordered to be retained on this list.—See G. O., No. 2,858, dated 16th September 1867.
1,991	4th July 1867.	Calling for a scheme for closing the head of Coringa river for insertion in the next Budget; reporting, in communication with the Collector, whether the cutting off of the Coringa river from the main stream of the Godavery will be unattended with any disadvantage.	Belongs to the Godavery Delta project under preparation.	A scheme has been submitted with letter No. 3,513, dated 8th January 1870.
521	14th Feb. 1868.	Requesting to explain the grounds on which the application for permission to remove the G. O., No. 704, of the 14th March 1865, from the list of Unanswered References is based.	The information required in G. O., No. 704, of 14th March 1865, has been furnished as far as practicable, and an application has therefore been made for permission to remove the reference from future lists.	A special application will be made to omit this from the list.
1,397	5th May 1868.	Requesting to report on the site selected for the Dresser's and other houses in connection with new Central Jail at Rajahmundry, and also to report on the damage alleged to have been done to roads in the neighbourhood of Rajahmundry.	A survey sketch has been forwarded to the Inspector-General of Jails, with letter from this Office No. 224, dated 10th November 1868.	
2,848	5th Sept. 1868.	Requesting to furnish plans of all masonry works which are included in the estimate now submitted for completing the portion of Great Northern Trunk Road in Ganjam District.	Under preparation.	
3,246	14th Oct. 1868.	Passing orders on Proceedings, Revenue Department, relative to the wants of irrigation works in the Godavery District.	Partly replied on 22nd October 1868. Replied by letters, Nos. 3,749 and 3,883, dated 24th January and 8th February 1870, respectively.	

List of Orders of Government remaining unanswered up to 30th September 1869.

Number and date of Government Order.		Subject.	Explanation of the cause of delay in forwarding a reply.	Remarks by the Superintending Engineer.
3,250	15th Oct. 1868.	To make a special report to Government as soon as Mr. G. J. Turner has passed in the vernacular and is otherwise considered qualified for independent duties.	Mr. Turner is not as yet prepared to go up for the Vernacular Examination.	
714	5th March 1869.	Proceedings Ecclesiastical Department, calling for an estimate of the cost of erecting a bell tower to the Church at Bimlipatam.	The Range Officer has been written to for the estimate.	
1,866 2,180	8th June 1869. 6th July ,,	Requesting to submit plans and estimates for the erection of Tahsildar's and Sub-Magistrate's Cutcherries at Peda Polaverum, Pittapur, and Tallapudy in the Godavery District.	Do. do. do. for the plan and estimate.	
2,240	9th July 1869.	Calling for a revised estimate for the road from Ankapilly to Pudimadaka, in the Vizagapatam District.	A revised estimate has been sent to the Collector for submission to the Board with letter No. 3,884, dated 8th February 1870.	
2,222 2,927	8th July 1869. 6th Sept. ,,	Requesting to expedite the submission of estimate which are due for projects entered in the Budget statements under "Extraordinary."	Under preparation.	
1,792 2,227 2,632	1st June 1869. 9th July ,, 10th Aug. ,,	Requesting to expedite the submission of the detailed plans and estimates and specifications called for for the Great Northern Road within the limits of his division, and to undertake the preparation of projects for the extension of irrigation and drainage in the Central Delta of the Godavery river.	Under preparation.	
2,541	3rd August 1869.	Requesting to submit a plan and estimate for a canal from above the Covoor lock to the Salt pans, Godavery District.	Replied by letter No. 2,849, dated 30th October 1869.	

Establishment, Public Works Proceedings for June 1870.

List of Orders of Government remaining unanswered up to 30th September 1869.

Number and date of Government Order.		Subject.	Explanation of the cause of delay in forwarding a reply.	Remarks by the Superintending Engineer.
56	21st Sept. 1869.	Requesting to explain fully the practice which prevails in the division in estimating for and carrying out the repairs of tanks, and the specification rules which apply to the course pursued.	Replied by letter No. 2,988, dated 12th November 1869.	
3,026	15th Sept. 1869.	Requesting to be furnished with statement showing the irrigation and rain-fall in the Delta ranges.	Partly replied by letters Nos. 3,769 and 3,879, dated 26th January and 5th February 1870, respectively.	
2,869	2nd Sept. 1869 ...	Requesting to submit a plan and estimate for the proposed Cutcherry and Subsidiary Jail at Tuni in the Godavery District.	Replied by letter No. 3,955, dated 14th February 1870.	
2,7[illegible]9	25th August 1869	Requesting to report whether they can surrender any portion of the Extraordinary Agricultural allotments provided in 1869-70 for works in the Division.	Replied by letter No. 2,844, dated 30th October 1869.	
3,107	23rd Sept. 1869.	Requesting to furnish his observations on the contradictory statements made by him and Captain Phipps, respectively, regarding the condition of the Steamer "Godavery," when she was returned to the division.	Replied by letter No. 2,477, dated 2nd October 1869.	
23	27th Sept. 1869.	Requesting to enter in the enclosed maps the sites of the projects intended to be forwarded for entry in the Budget of 1870-71	Replied by letter No. 2,669, dated 21st October 1869.	
2,299	14th July 1869.	Permission granted for appropriating the current year's grant for special repairs to roads in the Vizagapatam District towards the maintenance of the road from Vizagapatam to Vamulavalsa, and requesting to report in what manner the Superintending Engineer would propose to provide the additional funds required for the road in question during 1869-70.	Replied by letter No. 3,855, dated 4th February 1870.	

DOWLAISHWERAM,
21st February 1870.

(Signed) J. F. FISCHER, Major, R. E.,
*Ag. Supg. Eng*r., *1st Division.*

No. 12. ORDER THEREON, 1st June 1870, No. 1,365.

ESTABLISHMENT, No. 2.

THE undermentioned orders having been replied to may be omitted from future lists :—

G. O., No.	704,	14th March	1865.
,, ,,	1,991,	4th July	1867.
,, ,,	521,	14th February	1868.
,, ,,	2,240,	9th July	1869.
,, ,,	2,299,	14th ,,	,,
,, ,,	2,541,	3rd Aug.	,,
,, ,,	2,789,	25th ,,	,,
,, ,,	2,869,	2nd Sept.	,,
,, ,,	56,	21st ,,	,,
,, ,,	3,107,	23rd ,,	,,
,, ,,	23,	27th ,,	,,

G. O., No. 1,790, 1st June 1869.
,, ,, 2,146, 2nd July ,,

2. The Orders noted in the margin should be included in future lists unless they are intermediately disposed of.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 13. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Public Works Department, dated Masulipatam, 21st May 1870, No. 28 :—

I HAVE the honour to bring to your notice that the Acting Sub-Collector in charge of the Kistna District interprets E. M. C., No. 112, 16th January 1857, page 506, C. O. book, to mean the provision of only such articles as the villagers have for "sale."

2. I have, but in vain, pointed out that, if there were a market in the various villages in which our duties compel officers and subordinates of this department to encamp, we should not require any such assistance from the village authorities, as is ordered in the above Proceedings.

3. The 2nd Range officer has complained that he cannot get fowls or sheep, and in some cases even grain for his servants in places where they are known to be. The Acting Sub-Collector has declined to punish the village moonsiff who refused to supply his wants, and, therefore, he is put to much inconvenience in the discharge of his duty.

4. I enclose copy of the last letter from him as Acting Collector, in reply to my request that he would re-consider his decision as to the duty of the village officers.

No. 14. ORDER THEREON, 1st June 1870, No. 1,366.

ESTABLISHMENT, No. 3.

The Superintending Engineer of the 2nd Division will be informed that under all circumstances the officers of the Public Works Department should rely on themselves for the provision of supplies.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Read the following papers :—

No. 35. From the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 19th May 1870, No. 555.

I HAVE the honour to bring to your notice that although, in their Order, No. 942, dated 4th April last, Government were pleased, as a special case, to exempt the Delta Superintendents named in the margin from the Uncovenanted Service Examination, the Controller of Public Works Accounts has declined to pass the difference of salary passed to them for February and March 1870, and the salary attached to the substantive appointment of their several grades.

M. Appalanursiah ... ... S. Lutchma Row	No. 1 Range.
Y. Soondersiva Row ... ... P. Thumiah Naidoo ... ... Mr. D. Bras	No. 2 Range.
Cundula Setaramiah... ... Vinnacota Soobbaroydu ... Chette Gunniah... ... ... Jiddu Soonderramah... ...	No. 3 Range.

2. As these subordinates have been drawing full pay from the time they were appointed to their present post, and as Government have been pleased to confirm them, I request that the Controller may be authorized to pass the balance of pay due to these Delta Superintendents.

REFERRED to the Controller of Public Works Accounts for report.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government, P.W.D.

FORT ST. GEORGE,
27th May 1870.

No. 381.

No. 36. REPORT.

A COPY of the objection raised by this office is enclosed for the information of Government, from which it will be observed that, in the absence of special provision in G. O., No. 942, dated 4th April 1870, this office felt itself precluded giving retrospective effect to the sanction therein conveyed.

(Signed) S. BROCK,
Controller of Public Works Accounts.

MADRAS,
28th May 1870.

To the Secretary to Government, Public Works Department, Fort St. George.

No. 33.

MEMORANDUM.

THE accompanying pay abstract for difference of salary to certain members of the Conservancy Establishment in No. 3 Range of the Godavery District for the month of February 1870, is returned unaudited, as this office cannot give retrospective effect to the orders of Government, No. 942, dated 4th April 1870.

MADRAS, 4th *May* 1870.

(Signed) S. BROCK,
Controller of Public Works Accounts.

To the Officer in charge of No. 3 Range, Godavery District.

No. 37. ORDER THEREON, 3rd June 1870, No. 1,378.

ESTABLISHMENT, No. 4.

THE Controller of Public Works Accounts is authorized to pass the full salaries of the Delta Superintendents referred to in these papers from February 1870.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 54. Read the following Proceedings of the Madras Government in the Pension Department, dated 30th May 1870, No. 225 :—

Read the following papers :—

Proceedings of Government, Public Works Department, dated 2nd May 1870, No. 1,159.

From Mr. J. SMITH, 1st Class Mechanical Engineer, Ootacamund, dated 18th May 1870.

TRANSFERRED to the Military Department with reference to the pension of 2*s*. 6*d*. per diem.

2. Orders with reference to the gratuity due to Mr. Smith under the Uncovenanted Service Rules will be passed on receipt of application from the Superintending Engineer.

(True Extract.)
(Signed) CHARLES MACLEAN,
Acting Under Secretary.

No. 55. ORDER THEREON, 4th June 1870, No. 1,389.

ESTABLISHMENT, No. 5.

COMMUNICATED to the Acting Superintending Engineer of the 7th Division.

2. Lieutenant-Colonel Farewell's application for the grant of a gratuity to Mr. Smith has been transferred to the Pension Department with reference to paragraph 2.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 66. Read the following Endorsement of the Acting Superintending Engineer, 7th Division, dated Coimbatore, 23rd May 1870, No. 40 :—

Read the following letter from the Executive Engineer, Neilgherry Range, to the Superintending Engineer, 7th Division, dated Ootacamund, 14th May 1870, No. 22.

I HAVE the honour to inform you, with reference to the Executive Engineer's letter to the Superintending Engineer, No. 53, dated 5th June 1869, that Apprentice Samuel Joshua Loane's Indenture terminates on the 16th of the present month, he then reaching the age of twenty-one years. He has been learning the trade of Mechanical Engineer at the Lovedale Workshops, under Mr. Smith, since the 28th of September 1865, and the following is the report Mr. Smith gives of his qualifications :—

" Apprentice Samuel Joshua Loane has received a thorough and well-grounded " practical knowledge of steam and other machinery ; he has had the charge of " the working of several of the steam engines at the Lawrence Asylum works " under my tuition, and I could confidently entrust him with the working of any " of the steam machinery on the works."

2. I beg that you will be good enough to move Government to grant Apprentice Loane Rupees 100 for an outfit, as was done in the case of Apprentices Weir and Rigby.* Apprentice Loane states that although he has a mother and step-father, that he obtains no pecuniary benefit from either, as they are at variance and do not live together, and his mother is too poor to give him anything. He also states that he has had no clothes for nine months.

* *Vide* G. O., No. 3,871 of 9th December 1869.

3. Regarding his subsequent disposal, I would beg that he be entertained in this range on a salary of Rupees 30 per mensem. He would be very useful in presiding over the workshops now that Mr. Smith, the Mechanical Engineer, has been removed.

4. As the funds at my disposal are so small, and as I have already so many demands upon them, I would urgently beg that Apprentice Loane's salary be debited to the " Petty Establishment."

SUBMITTED for the favourable orders of Government, with reference to outfit allowance solicited, and to the proposed employment of the Apprentice in the Neilgherry Range on Rupees 30 a month from " Petty Establishment," to allow of the maintenance in working order of the heavy engines and machines set up for use at the Lawrence Asylum Works, and now that the Mechanical Engineer attached to the works has been removed the services of the lad are more necessary than ever.

(Signed) W. FAREWELL, Lieut.-Colonel,
Acting Superintending Engineer, 7th Division.

No. 67. ORDER THEREON, 4th June 1870, No. 1,396.

ESTABLISHMENT, No. 6.

HIS Excellency in Council authorizes the disbursement to Apprentice S. J. Loane of an outfit allowance of Rupees 100, and approves of that individual's employment in the manner recommended on a salary of Rupees 30 per mensem.

2. The Superintending Engineer of the 7th Division will be informed, with reference to G. O., No. 1,323, of the 23rd instant, that the above charges are authorized on the distinct understanding that they can be met from his reduced allotment for " Petty Establishments."

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 78. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Public Works Department, dated Masulipatam, 12th May 1870, No. 24 :—

I HAVE the honour to report that I have not got in my records forms Nos. 113A, 113B, 115A, 115B, 116A, 116B, 116C, 116D, mentioned by Government of India in papers forwarded with Madras Government Order No. 1,115, 21st April 1870, so that I am unable to make the corrections ordered, or to draw up contracts in form laid down.

2. I would suggest that printed contracts, with blank spaces, might be usefully prepared for general use.

No. 79. ORDER THEREON, 6th June 1870, No. 1,403.

ESTABLISHMENT, No. 7.

THE Superintending Engineer will be informed that forms of contract being now under preparation, they will be furnished to him in due course.

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

No. 82. Read the following letter from the Acting Superintending Engineer, 7th Division, to the Secretary to Government, Public Works Department, dated Coimbatore, 30th May 1870, No. 49 :—

WITH reference to G. O., No. 1,323 of 23rd May 1870, I have the honour to report that I have further reduced the present Imperial Fund Petty Establishment, so as to be able only to meet the pay of the Apothecary employed on the Lawrence Asylum Works at Ootacamund ; but as the services of the two Apprentices (the term of Indenture of the third having now expired) cannot be dispensed with as they are indentured servants of Government, and being unable to provide for their pay by making any further reductions in the allotment for the petty establishment in the 7th Division, if it is impossible to provide the funds from elsewhere, I can only recommend that the sanction of Government be granted to the disbursement of the pay of the two Apprentices from the current year's allotment of Rupees 70,200 for the Lawrence Asylum Works, this amount being recovered in 1871-72 from the allotment for petty establishment for that year.

No. 83. ORDER THEREON, 6th June 1870, No. 1,405.

ESTABLISHMENT, No. 8.

HIS Excellency the Governor in Council is unable to approve of the proposal submitted in this letter, and Colonel Farewell will accordingly, after a careful re-consideration of the revised allotments to the several ranges comprised in the 7th Division on account of Petty Establishments, provide for the pay of the Apprentices referred to by a re-distribution of those allotments.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 112. Read the following letter from the Principal of the Civil Engineering College, to the Secretary to Government, Public Works Department, dated Chepauk, 2nd June 1870, No. 138 C:—

Having received application from the Chief Engineer, Hyderabad, for the services of four Overseers for employment in the Berars, I have the honour to request the sanction of Government to their being posted to the Hyderabad Public Works Department in the event (as seems probable) of there being no vacancies for them in the Madras Public Works Department.

No. 113. Order thereon, 8th June 1870, No. 1,421.

ESTABLISHMENT, No. 9.

Sanctioned.

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

No. 120. Read the following letter from the Officiating Secretary to the Chief Commissioner of Mysore, Public Works Department, to the Secretary to the Government of Madras, Public Works Department, dated Bangalore, 25th May 1870, No. 2,884:—

The Chief Commissioner of Mysore desires me to forward to you copies of a letter and enclosure received from the General Superintendent of the Public Works Stores and Workshops, Madras, recommending the grant of some remuneration to Mr. J. Gray, Storekeeper, on account of the labour entailed on him in supervising the receipt and despatch of stores from England for the Mysore Government.

2. I am directed to ask if the Madras Government approve of Mr. Gray's application, and, if so, what allowance is considered fair for the services rendered. Should the Madras Government have no objection to Mr. Gray drawing from Mysore an allowance extra to his present pay, (to which Colonel Meade thinks him fairly entitled,) the sanction of the Government of India will be solicited to the arrangement.

From the General Superintendent of the Public Works Stores and Workshops, to the Chief Engineer of Mysore, dated Chepauk, 21st May 1870, No. 168.

I have the honour to forward the accompanying letter from Mr. J. Gray, Storekeeper of the Public Works Department, soliciting some remuneration at your hands for his extra labour in supervising the receipt and despatch of stores for the Mysore Department Public Works. I am aware that no charge has been made for his supervision in the bills submitted on the above account, though he has cheerfully and zealously performed the extra duty entrusted to him from first to last to my entire satisfaction.

2. The Madras Government has considerately granted Mr. Gray a monthly carriage allowance of Rupees 45 for similar work, and I shall be glad if a like indulgence could be extended to him by your department; thus securing the services of a valuable and energetic Agent at Madras for the Mysore Department Public Works. I beg strongly to recommend Mr. Gray for some mark of your favour, and trust that his application will meet with indulgent consideration.

From J. GRAY, Esq., Storekeeper of the Public Works Department, to the General Superintendent of the Public Works Stores and Workshops, dated Chepauk, 20th May 1870.

I BEG to bring to your notice that since March last five consignments of stores by the ships marginally noted have been received and despatched (with the exception of two engines not yet landed per *Sir Robert Seppings* for the Mysore Public Works Department. The onus of receiving and despatching these stores, and all stores hitherto received by this department for Mysore, has devolved upon me, as the Storekeeper and constituted Agent by the Chief Engineer, and while the whole staff and all expenses incurred in landing, receiving and despatching, are charged to, and paid by, the Mysore Government, no remuneration whatever has been given me for my time and labour. The *Saint Magnus* with another consignment is shortly expected, and there is every probability that all the plant, etc., for the construction of State Railways in the Mysore Provinces will be consigned by the Home Government to this department.

Derwentwater, Jessie Isabel, Mofussilite, Sir Robert Seppings, Dunphaile Castle.

2. I beg, therefore, most respectfully to request that you will be pleased to move the Chief Engineer to make me some allowance, as is granted to me by the Madras Government for similar work on account of the Public Works Stores. I feel assured that this matter has only to be laid, with your support, before the Chief Engineer for his indulgent consideration, to obtain for me the boon I ask.

No. 121. ORDER THEREON, 8th June 1870, No. 1,425.

ESTABLISHMENT, No. 10.

ORDERED that the following letter be sent:—

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 122. From the Secretary to the Government of Fort Saint George, Public Works Department, to the Chief Commissioner of Mysore, dated 8th June 1870, No. 1,426.

ESTABLISHMENT, No. 11.

SIR,—I am directed to acknowledge the receipt of Colonel Wilkieson's letter of the 25th May 1870, No. 2,884, in which you desire to be informed whether the application of the Superintendent of the Public Works Stores and Workshops at Madras on behalf of Mr. Gray for some remuneration for the labour and expense incurred by him in superintending the landing and despatch of stores received from England for the Mysore Government was made with the approval of this Government, and whether there was any objection to Mr. Gray being granted an allowance for the services rendered. In reply I am to state that, although not aware of any application having been made on behalf of Mr. Gray, the Government are of opinion that, as the duty referred to involves considerable labour and exposure, as well as some expense, Mr. Gray is fairly entitled to some small remuneration for his past services and to an allowance of, say, Rupees 50 per mensem for so long as his services may be required by the Mysore Government.

No. 123. Read the following letter from R. SMITH, Esq., Executive Engineer on special duty, Madura District, to the Chief Engineer for Irrigation, dated Madura, 23rd May 1870, No. 1 :—

I HAVE the honour to submit, for your approval, a statement showing the establishment I propose employing during the investigation of the Perryaur scheme.

2. The sum allotted for the special temporary establishment of this District for the current official year is Rupees 4,608, or Rupees 40 in excess of the cost of the proposed arrangement.

Detailed Statement of the Temporary Establishment proposed for the Perryaur Project for the official year 1870-71.

Grade.	No.	Salaries per mensem.	Period to be employed.	Total cost of porposed Establishment.	Remarks.
		RS.	Months.	RS.	
Surveyor	1	165	6	990	I propose giving this appointment to C. Sashachalla Moodelliar, he is a first-class hand ; his salary in the Nellore District, prior to the recent reductions, was Rupees 165 per mensem. This will make the total number of lascars 36, *i. e.*, six for each Officer and Surveyor.
Do.	2	75	6	900	
Draughtsman	1	60	12	720	
Estimator and Draughtsman	1	60	10	600	
Writer	1	35	10	350	
Lascars	24	7	6	1,008	
				4,568	

MADURA,
23rd May 1870.

(Signed) R. SMITH,
Executive Engineer on special duty.

No. 124. ORDER THEREON, 8th June 1870, No. 1,427.

ESTABLISHMENT, No. 12.

THE Government sanction the re-arrangement of the temporary establishment employed upon the Perryaur Project, in the manner shown in the statement accompanying Mr. R. Smith's letter. It is observed that the amount allotted for this establishment for the current year is Rupees 4,608, and that by the re-arrangement the cost will be reduced to Rupees 4,568.

2. The Government will look to the Executive Engineer's monthly reports for information as to the progress of the investigations, and as to the time by which they may be expected to be completed.

(Signed) J. MULLINS, Major, R.E.,
Acting Joint-Secretary to Government.

No. 129. Read the following letter from the Superintending Engineer, 6th Division, to the Secretary to Government, Public Works Department, dated Camp at Poonthottum, 21st February 1870, No. 1,327:—

I HAVE the honour to forward, herewith, the List of Unanswered References of the 6th Division for the half-year ending 30th September 1869, together with the Statement of periodical returns prepared in the form furnished in G. O., No. 315, of the 29th January 1864.

One List of Unanswered References.
One Statement of Periodical Returns.

6TH DIVISION.

List of Unanswered References for the half-year ending 30th September 1869.

No.	Date.	Subject.	Remarks.
1,877	14th July 1863.	Calls for estimates for the Railway Feeders from Keevalore northward to join the Nagore and Paralam road. Saliamungalum to join Mannargoody and Tanjore road.	Preparation of estimate deferred under G. O., No. 2,496, 8th August 1866. Approved in G. O., No. 3,116, 31st October 1864.
459	15th Feb. 1864.	To furnish statement of revenue derived from the Wyacondan channel for each of the five years succeeding the commencement of the work on the several estimates referred to by the Superintending Engineer.	Not yet furnished by the Collector; there seems to be some difficulty in supplying the information.
2,460	26th August 1864.	Calls for estimates for the Railway Feeders from Kulitalay to Manapara.	Fourteen miles completed. Funds not available for extension.
		Seeplapoothoor to Valayaputty ...	Estimate returned from Collector in May 1869. Funds not available.
3,640	15th Nov. 1866.	Passing orders on the list of Military works submitted by His Excellency the Commander-in-Chief for entry in the Budget of 1867-68. Paragraph 12, requesting to expedite the submission of plans and estimates for all such projects as have not received the sanction of Government. Dry-earth system of conservancy at Trichinopoly.	In communication with the Military authorities.
3,938	14th Dec. 1866.	Paragraph 79.—To expedite the submission of estimate for Normal School at Trichinopoly.	Will be prepared when asked for by the Educational Department, *vide* G. O., No. 351, 15th Feb. 1866.
3,200	16th Oct 1867.	Requests to make a special report when Mr. Assistant Engineer Wybrow has passed in the vernacular and is otherwise considered qualified for independent range duties.	Will be attended to.
3,215	12th Oct. 1868.	Paragraph 2.—To expedite the submission of the necessary plans and estimates for the works referred to in paragraph 3, clause IX. of Colonel Dickens' letter.	Explanation furnished in letter No. 793 of 31st October 1868.
3,780	3rd Dec. 1868.	Paragraph 6.—To submit revised estimates for the stables of the Battery of the Royal Artillery at Trichinopoly.	Will be submitted. Funds have not been allotted for 1869-70.

No.	Date.	Subject.	Remarks.
3,026	15th Sept. 1869.	Communicating Proceedings of the Government of India on the statements of Irrigation and Rainfall in the several Canal Districts of the North-West Provinces during the years 1867-68 and 1868-69, and requesting that similar statements may be furnished annually, commencing with the year 1868-69.	In communication with the Collectors, relative to the information required for the preparation of the statement for 1868-69.
,3142	29th Sept. 1869.	Passing orders on Proceedings of the Government of India on the subject of confining the ordinary expenses of the empire to within the revenue of the year, etc., and requesting to submit a statement of the outlay actually incurred, without allotment, up to 30th September 1869 on Sub-Jails and Cutcherries.	Statement under preparation. Will be submitted shortly.

CAMP AT POONTHOTTUM,
21*st February* 1870.

(Signed) R. F. OAKES, Captain, R. E.,
Superintending Engineer, 6th Division.

No. 130. ORDER THEREON, 9th June 1870, No. 1,430.

ESTABLISHMENT, No. 13.

ORDERED to be recorded.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 136. Read the following :—

No. 185.

5TH DIVISION, PUBLIC WORKS DEPARTMENT.

List showing the Orders of Government issued up to 30th September and remaining unanswered on the 31st December 1869.

No.	Date.	Subject.	Remarks.
1,492	10th June 1863.	To submit revised estimates for the new Dragoon Barracks and other buildings connected therewith on the Race Course at Bangalore.	Nearly all submitted and sanctioned, and the works have been either completed or are in abeyance under the recent restrictive orders. Those remaining will be sent up as they are received from the Executive Engineer.
2,131	30th July ,,		
2,724	21st Sept. ,,		
57	5th Oct. ,,		
2,932	8·h ,, ,,		
3,342	16th Nov. ,,		
953	5th April 1864.		
4	2nd Sept. ,,		
3,636	19th Dec. ,,		
219	23rd Jan. 1865.		
1,243	8th May ,,		
1,271	10th ,, ,,		
1,595	9th June ,,		
405	1st Feb. 1866.		
1,375	30th April ,,		
656	4th March 1867.		
1,130	27th April 1865.	To submit plans and detailed estimates for earth-store and cart-sheds to meet the requirements of earth-sewage and for alterations to privies at Bangalore.	Plan and estimate for alterations to the Race Course Privies forwarded in 1865, *vide* G. O., No. 3,165, dated 23rd October 1865. Those called for in the last G. O. will be sent up when received from the Executive Engineer.
120	8th July ,,		
168	5th Sept. ,,		
1,575	13th May 1869.		
2,064	18th July 1865.	To submit plans and estimates for the works required to carry out the undermentioned proposals of His Excellency the Governor for the proper accommodation of the Military Establishment at Bangalore.	
2,439	22nd Aug. ,,		
3,797	29th Nov. 1866.		
		1. To move the British Cavalry and two Field Batteries of Artillery to the Race Course Barracks.	Regiment of Cavalry and one Battery of Artillery occupy the Barracks.
		2. To move the British Infantry Regiment to the vacated Cavalry Barracks.	The Infantry occupy the Barracks.
		3. To create main water supply by roof drainage into a series of tanks.	Deferred by G. O, No. 3,797, dated 29th November 1866.
		4. To provide a fresh set of buildings for the Mess and Recreation rooms of the Serjeants of Cavalry and Artillery.	Estimate sanctioned, and the work is nearly completed.
		5. To appropriate the vacated Artillery Barracks for the Ordnance Department.	Deferred by G. O., No. 3,797, dated 29th November 1866.
		6. To convert the vacated Infantry Barracks into accommodation for Commissariat Department.	Estimate for a portion of the project sanctioned, and the work completed.
		7. To provide a new Hospital ...	Hospital and subsidiary buildings completed with the exception of the additional Pavilion, which has not been commenced.
		8. To construct a new Prison ...	Deferred by G. O. No. 3,797, dated 29th November 1866.

List showing the Orders of Government issued up to 30th September, etc.—(Continued.)

No.	Date.	Subject.	Remarks.
1,783 3,402 1,156	6th June 1866. 24th Oct. ,, 15th April 1867.	To make a selection of such projects for large Irrigation works as have been already matured, etc., and of such as are to prove abundantly remunerative, and to forward plans and estimates for the same.	Komaramungalum, Mahmathoor, and Meyur Nadi anicuts and Pombay channel in South Arcot, Sirukalay and Chinnakistnapuram tanks, and some other projects in Salem, have been either completed or are in progress, or are in abeyance under the recent restrictive orders. Palandorai anicut, Allangal and Ooppalavady channels, Pooniar anicut and Ahtur anicut, in South Arcot; Badatalab tank, Malapaudy tank, Andiyappanur tank, Pengoondapuram tank, reservoir at Kistnagherry, Metopatty tank, Valsur anicut and improvement of the Cauvery channels in Salem, have been either examined or are under investigation.
2,692	27th Aug. 1866.	To submit plans and estimates for Major Sankey's proposal for improving the supply of the Ulsoor tank, should it be considered suitable.	The Executive Engineer reports that these are under preparation by the Mysore Public Works Department.
1,868 205	22nd June 1867. 26th Sept. ,,	To submit estimates for permanent hutting accommodation required at the Central Jail at Salem.	The Inspector-General of Jails stated in March 1869, that no hutting accommodation was required; but he has since called for an estimate for a Chief Constable's quarters, which will be shortly forwarded for his approval.
3,023	27th Sept. 1867.	To submit plans and estimates for a Latrine and Debtors' ward to the Central Jail at Salem.	Estimate for the Latrine forwarded to the Inspector-General on the 7th June 1869, and the plan for Debtors' wards on the 2nd February 1870.
3,108 3,780	8th Oct. 1867. 3rd Dec. 1868.	To submit such of the plans and estimates as have not yet been forwarded for Military works costing less than 2,500 Rupees each.	Those remaining will be forwarded when received from the Executive Engineer.
3,720 3,950	29th Nov. 1867. 20th Dec. ,,	To submit plans and estimates for Cutcherry and Subsidiary Jail buildings recommended by the Subsidiary Jail Committee to meet the requirements of Subsidiary Jails in the Salem District.	The plan and estimate for a Talook Cutcherry at Darampuri are under preparation by the Range Officer. Those for other Cutcherries and Subsidiary Jails have been either sanctioned or submitted for sanction.
3,950 3,913 1,029	20th Dec. 1867. 15th ,, 1868. 31st March 1869.	To submit plans and estimates for improvement of the Allangal, Villapuram, and Kolianoor channels from the Pooniar river in South Arcot.	Revised estimate of the Allangal channel under examination and will be sent up in a few days.
3,950 3,913	20th Dec. 1867. 15th ,, 1868.	To submit plan and estimate for constructing an anicut across the Cooroombapilly river and a channel for the better supply of the Badathalab tank in Salem.	The plan and estimate returned to the Range Officer for revision have not yet been re-submitted. It is reported that they will be ready shortly.

List showing the Orders of Government issued up to 30th September, etc.—(Continued.)

No.	Date.	Subject.	Remarks.
401 1,447	5th Feb. 1868. 8th May ,,	To submit plans and estimates for separate bathing-rooms for the women of Cavalry and Artillery on the Race Course and for Royal Horse Artillery at Bangalore.	Lavatories condemned, and in their place asphalting the passage leading from the main rooms into the yard and using the same as bath-rooms, recommended by the Committee assembled in March 1868, *vide* Superintending Engineer's No. 28, dated 2nd May 1868. The estimate of Rupees 2,740, sanctioned in G. O., No. 2,452, dated 27th July 1869, provides for this work.
927	23rd March 1868.	To prepare and submit, in communication with Commissariat authorities, plans and estimates for such works as may be required for fitting the high pressure engine to work the Mill at the Government Bakery at Bangalore.	The Executive Engineer reports that no estimate has been prepared for fitting the engine, as the work is to be carried out by Commissariat Department, but a further reference has been made to that officer on the subject.
1,201	21st April 1868.	To submit a revised estimate for the drainage of the Race Course Barracks at Bangalore, providing for a better flushing of the drains, improved ventilation of shafts, and an extension of the out-fall.	Submitted with letter No. 114 of the 5th October 1868, and Order of Government thereon deferred pending the return of Captain Tulloch to Madras, *vide* G. O., No. 3,740, of the 1st December 1868.
2,707	24th August 1868.	To submit a report on the system of subsoil drainage to be adopted in the Jail at Cuddalore.	The Inspector-General of Jails stated in April 1869 that he was to propose to Government certain alterations in the improvements sanctioned to the Jail. Pending the orders of Government on these proposals, the supplemental estimate for the works as well as the report on the subsoil drainage is deferred.
2,884 3,674 3,913 2,933	10th Sept. 1868. 23rd Nov. ,, 15th Dec. ,, 7th Sept. 1869.	To prepare and submit, in communication with the Inspector-General of Ordnance and Magazines, plans and estimates for the proposed Powder Magazine at Bangalore.	Plan of the Fort with a report sent up with No. 140 of the 15th November, and sketch plans and approximate estimate of the proposed Magazine on the 6th December 1869, with No. 159.
3,711	27th Nov. 1868.	To submit estimates for completing the Imperial roads under construction or not yet commenced, and for maintaining those that are not provided with an annual repair allowance.	Will be attended to.
585	23rd Feb. 1869.	To submit revised plans and estimates for robing-room and watching-sheds in the new cemetery for all denominations of Christians at Bangalore.	Not yet received from the Executive Engineer.
710 770	4th March 1869 10th ,, ,,	To submit as early as possible the requisite estimates for the extensions in the Central Jail at Salem, recommended by the Inspector-General of Jails.	Plans forwarded for the approval of the Inspector-General.

List showing the Orders of Government issued up to 30th September, etc.—(Concluded.)

No.	Date.	Subject.	Remarks.
766	10th March 1869.	To prepare and submit, in communication with the Remount Agent at Oossoor, plan and estimate for providing shelter at the Malloor Railway Station for the horses sent by the rail to and from the Remount depôt.	Plan and estimate ready, but not sent up for sanction for want of funds. Will be submitted shortly for sanction from the ensuing year's reserve.
1,318	21st April 1869.	To submit revised estimate for improvements and additional wards to the Subsidiary Jail at Kallakurchi in South Arcot.	Sent up with letter No. 179 of the 1st February 1870.
1,557	12th May 1869.	To submit an estimate for quarters for a Deputy Jailer at Salem.	Plan forwarded for the approval of the Inspector-General.
1,565	12th May 1869.	To submit reports on the Irrigation projects in the Salem District entered in the Collector's list, accompanied by a map showing their positions, and by estimates of the probable cost of carrying them into execution.	Some of the projects are now under investigation by the Range Officers.
1,641	18th May 1869.	To submit an estimate, prepared on the standard plan, for a dead-house to be attached to the Dispensary at Munjacoopum in South Arcot.	Plan and estimate ready, but not submitted for sanction for want of funds. Will be sent up shortly for sanction from the next year's reserve.
2,642	11th Aug 1869.	To ascertain and report the average area of cultivation for the last 15 years under each of the Gungavelly, etc., anicuts in the Salem District, and then to modify the designs for the new anicuts across the Swathanuddy river.	A statement of the cultivation has been received from the Collector, and is now under reference. The Range Officer has been again desired to ascertain the discharge of the river at the sites of the proposed anicuts, in order to modify the designs.
3,026	15th Sept. 1869.	To prepare and submit, in communication with the Collectors, a return of Irrigation and rainfall for the year 1868-69.	The return for the Salem District forwarded on the 8th February 1870, No. 183, and that for South Arcot will be sent up when received from the Collector.
3,111	24th Sept. 1869.	To report the opinion of the Superintending Engineer regarding the objection made by the Inspector-General of Military Works to the provision of wooden stair-cases in the estimate for the additional pavilion to the Hospital under construction on the Race Course at Bangalore.	Reported in No. 181 of the 2nd February 1870.

(Signed) E. A. FOORD, Colonel, R. E.,
Superintending Engineer, 5th Division.

No. 137.

ESTABLISHMENT, No. 14.

ORDER THEREON, 10th June 1870, No. 1,433.

THE undermentioned Orders having been replied to may be omitted from his future Unanswered Reference Lists :—

G. O., No. 766, 10th March 1869.
" " 1,318, 21st April "
" " 1,641, 18th May "
" " 3,026, 15th Sept. "
" " 3,111, 24th " "

G. O., No. 1,575, 13th May 1869.
" " 2,642, 11th Aug. "

2. The Orders noted in the margin should be included in future lists unless they are intermediately disposed of.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 150. Read the following letter from the Principal of the Civil Engineering College, to the Secretary to Government, Public Works Department, dated Chepauk, 2nd June 1870, No. 137 C. :—

I HAVE the honour to inform you that, in reply to my inquiries regarding the probable number of vacancies as Overseers in their respective divisions for the students of this College who will shortly pass out with certificates of qualification, I learn from the Superintending Engineers that very few indeed will be able to find such employment.

2. I therefore request early orders regarding the disposal of such of the *Military Students* as shall qualify, and for whom there are no vacancies, as I take it that to remand them even temporarily to their regiments would be very like a violation of Government Order No. 175, dated 6th May 1859, and I cannot keep them there after 1st August, as they must make way for new comers next session.

3. Perhaps arrangements could be made to have them temporarily attached to divisions, but I am unable to suggest anything definite on this head, as I am uncertain whether funds are available to meet their salaries.

4. I would also solicit early orders with regard to those Military Students who may *fail* to obtain certificates as Overseers, and I fear I shall have one or two such cases this session.

5. Though they may have failed to qualify as Overseers, they might be found useful as Surveyors in the Railway or Irrigation Department, and if Government approve I would nominate them to such posts if I think them fit and if vacancies exist.

6. Under the terms of Government Order in Military Department, No. 26, dated 7th January 1862, the names of such men are directed to be forwarded in the usual Recommendation Roll to the Adjutant-General for appointment to Non-commissioned Military staff situations as other European Soldiers are; but in the event of there being no vacancies in the Military Department before the beginning of next session, which is very probable, and provided I cannot dispose of them as noted in paragraph 5, I wish to be informed whether they are to be remanded to their regiments.

No. 151. ORDER THEREON, 11th June 1870, No. 1,440.

ESTABLISHMENT, No. 15.

HIS Excellency the Governor in-Council observes that in the case of passed Military Students for whom employment cannot be immediately found, the orders of Government, dated 24th October 1859, No. 2,492, paragraph 5, clause 4, direct that they "be retained at "the College as part of the regulated number, new selections of students being "made only as vacancies take place in that number." These instructions should be adhered to.

2. The Government have no objection to the proposal made in paragraph 5; but the employment of unpassed students in the manner proposed will be subject to the sanction of His Excellency the Commander-in-Chief. In the event of the Principal not being able to provide for the men as contemplated in paragraphs 5 and 6, their remand to their regiments seems unavoidable.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 161. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 2nd June 1870, No. 715 :—

ADVERTING to G. O., No. 1,284, of the 18th ultimo, I have the honour to report that I have placed Mr. Larminie, one of the recently appointed Assistant Engineers, in charge of a Sub-division under Mr. Sage's orders. The establishment applied for is to enable that officer to hold communication with the ryots and others who may prefer complaints about the water-supply and to conduct his office duties.

No. 162. ORDER THEREON, 13th June 1870, No. 1,446.

ESTABLISHMENT, No. 16.

One Writer...	Rs. 25 per mensem.
Three Lascars at Rs. 6 each	,, 18 ,,
	Rs. 43

HIS Excellency the Governor in Council authorizes the entertainment by Mr. Larminie of the establishment marginally noted, the cost of which will be debited to the grant for temporary establishments.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government

No. 183. Read the following Circular from the Government of India, Public Works Department, (Establishment—General,) dated Simla, 7th May 1870, No. 24 :—

Madras.	Central Provinces.
Bombay.	British Burmah.
Bengal.	Mysore and Coorg.
North-Western Provinces.	Central India.
Punjab.	Rajpootana.
Oudh.	Hyderabad.
Superintendent, Port Blair.	

COPY of the following forwarded for guidance to the Local Governments and Administrations noted in the margin.

(By order.)

(Signed) A. B. SAMPSON,
Under Secy. to the Govt. of India.

RESOLUTION by the Government of India, Financial Department, dated 30th April 1870, *No.* 142.

Read the following correspondence regarding the prohibition against the purchase of books and maps in England, for the Public Service, by Heads of Departments or any other Officers in India, except through the Secretary of State for India, namely :—

Letter from the Accountant-General, Punjab, No. 119, dated 19th November 1869.
To ,, ,, ,, No. 22, ,, 6th January 1870.
From ,, ,, ,, No. 176, ,, 17th ,, ,,
To Home Department, No. 800, dated 31st January 1870.
From ,, No. 108, ,, 10th February ,,

Letter from the Right Honourable the Secretary of State for India, No. 4, dated 4th January 1870.

RESOLUTION.—The Governor-General in Council observes that the prohibition recited in the preamble of this Resolution is general, as affirmed in the following extract of paragraph 4 of the Despatch from the Right Honourable the Secretary of State for India, No. 4, dated 4th January 1870:—

"My attention has also recently been drawn to the fact that the Officers of the several Governments (more especially those of the Educational Department, Bombay) have ordered books from firms in England irregularly without the intervention of the Home Government, and I request that immediate measures may be adopted with a view to putting a stop to such proceedings, as in those cases the discount* which is invariably allowed when books are procured, in accordance with the existing rule, through the Home authorities, is lost to Indian revenues."

* Gleig's series, 30 per cent. from published prices.
School books, 21½ per cent. from published prices, except on special occasions, and then lower.
Law books, 12½ do. do.
Annuals, 12½ do. do.
Single copies, 17½ do. do.
Second hand and scarce books, 5 per cent. on cost price.
Government books, at Government prices.

ORDER.—Ordered, that a copy of this Resolution be sent to the Home Department for communication to the several Local Governments and Administrations (who should be instructed to take measures to prevent any evasion of these orders by the substitution of purchases from tradesmen in India for indents upon England), and to the Comptroller-General of Accounts; the several Accountants-General and Deputy Accountants-General in independent charge; the Mint Master and Head Cammissioner of Paper Currency; the Assay Master; the Director-General of the Post Office; and the Commissioner of Inland Customs in the Upper Provinces of the Bengal Presidency.

Ordered also, that a copy of the Resolution be sent to the Foreign, Military, and Public Works Departments, for communication of the Secretary of State's orders to the Departments under their control; also to the Secretariat of the Legislative Department for information.

No. 184. ORDER THEREON, 14th June 1870, No. 1,457.

ESTABLISHMENT, No. 17.

COMMUNICATED to the undermentioned officers for information and guidance :—

Superintending Engineers.
Consulting Engineer for Railways.
Do. for the Madras Irrigation and Canal Company.
General Superintendent of Public Works Stores.
Controller of Public Works Accounts.
Major R. B. Kennedy.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 188. Read the following letter from the Special Executive Engineer, Wynaad, to the Secretary to Government, Public Works Department, dated Vythery, 2nd June 1870, No. 389 :—

I HAVE the honour to bring to notice the extreme difficulty that is experienced in this district in obtaining competent members for the office establishment. In its Order No. 2,960, dated 18th September 1868, Government was pleased to exempt the members of my temporary office establishment from the obligation of passing the examination test, and I have now the honour to request that the provisions of the Order may be temporarily extended to the present range establishments ; by temporarily, I mean that it may be permitted to entertain unpassed men on the full pay and allowances for one year, after which time, should they not have qualified, their appointments to be cancelled. This application is called forth by the difficulty experienced in the South-East Wynaad Range, the Acting Head Accountant of which has hitherto been allowed to draw his pay on the petty establishment, but under the reduction ordered that head can no longer bear the charge ; the second Accountant has been obliged to take sick leave, and does not wish to rejoin, while the man who was put in his place, and who has hitherto been Talook Overseer's writer, has sent in his resignation. Should the Head Accountant be reduced to the pay that as an unpassed candidate he is entitled to draw, he will be getting only Rupees 29-4-0 per month, in place of Rupees 75, the full allowance of his post ; and so great a reduction will of course entail his resignation also, which I believe, from the report of his late Range Officer, would be a serious loss, as he is well up in his work and a promising man.

2. Should my recommendation be approved of, I have the honour to request it may be made retrospectively applicable to pay drawn for May.

No. 189. ORDER THEREON, 14th June 1870, No. 1,459.

ESTABLISHMENT, No. 18.

UNDER the exceptional circumstances adverted to in this letter His Excellency the Governor in Council is pleased to exempt members of the range establishments employed in Wynaad from the operation of the Uncovenanted Service Examination Rules for a period of one year, and to authorize the Controller of Public Works Accounts to pass their full salaries retrospectively from May as recommended in paragraph 2.

No. 226. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 23rd May 1870, No. 574 :—

I HAVE the honour to forward, for the favourable consideration of Government, the accompanying application from Supervisor Ellis, in charge of the No. 2 Range, Godavery, to be exempted from passing the preparatory University Tests for Assistant Engineers, and to grant him the indulgence of standing for the Assistant Engineer's Examination alone.

2. It will doubtless be in the recollection of Government that I brought Mr. Ellis's qualifications to their notice, and specially recommended him for promotion to the grade of first class Supervisor, on which occasion Government * expressed their gratification, and stated that they would be prepared to consider his claims to advancement when an opportunity offered.

* *Vide* G. O., No. 1,821, dated 3rd June 1869.

3. I have now only to add that Mr. Ellis having been transferred by me from the Ganjam District, for employment in the completion of the Delta project, has given every satisfaction, and promises well to be a useful member of the department.

4. Under these circumstances, I trust that Government will be pleased to grant Mr. Ellis the indulgence asked for.

From Mr. J. W. H. ELLIS, Supervisor in charge of No. 2 Range, Godavery, to the Superintending Engineer, 1st Division, dated Gunnarum, 16th May 1870.

IT is my earnest desire to claim the Assistant Engineer's Examination of our Department, but am prevented from going up, not having passed its preliminary University Tests. To study for these will interfere with my public duties, by taking up much of my time. I cannot afford to take leave of absence for this purpose.

2. When I left the Civil Engineering College in May 1861, its Senior department had not then been established, and consequently I had no opportunity of training for the higher grades.

3. I have served the State nearly nine years, and passed the tests for Assistant Overseer and Sub-Engineer, which latter, I beg most respectfully to remark, is not far short of the standard required for the Assistant Engineer grade. And during my term of service I have had the fortune to gain the good will and opinion of my superior officers, as well as the appreciation of Government of my qualifications.

4. I, therefore, beg you will be pleased to favourably represent my case to the consideration of Government, and obtain an exemption in my favour from the preparatory University Tests alluded to, granting me the indulgence of standing for the Assistant Engineer's Examination alone.

No. 227. ORDER THEREON, 17th June 1870, No. 1,480.

ESTABLISHMENT, No. 19.

IN consideration of the good service Mr. Supervisor Ellis is reported to have performed, and the favourable testimony borne to his character and qualifications, the Government will not object to exempt him from the preparatory University Tests for Assistant Engineers, but he will be required to give satisfactory proof of having received the liberal education referred to in paragraph 36 of the Notification of the 23rd June 1857, published at page 559 of Grant's C. O. book.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 235. From the Secretary to the Government of Fort Saint George, Public Works Department, to the Secretary to the Government of India, P.W.D., dated 17th June 1870, No. 1,485.

ESTABLISHMENT, No. 20.

SIR,—I am directed by His Excellency the Governor in Council to forward for submission to the Government of India Parts I. and II. of the Return No. 2 of Establishments, called for in Colonel Strachey's letter No. 6,443, dated 21st December 1868.

No. 255. Read the following letter from the Assistant Secretary to the Government of India, Public Works Department, (Buildings and Roads—Miscellaneous,) to the Secretary to the Government of Madras, Public Works Department, dated Simla, 6th June 1870, No. 357 B. C. :—

I AM directed to ask for full particulars in regard to entries 7 and 8 (page 2) of your Civil Works Proceedings for the month of March 1870.

No. 256. ORDER THEREON, 20th June 1870, No. 1,496.

ESTABLISHMENT, No. 21.

ORDERED that the following letter be sent:—

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 257. From the Secretary to the Government of Fort Saint George, Public Works Department, to the Secretary to the Government of India, P.W.D., dated 20th June 1870, No. 1,497.

ESTABLISHMEN No. 22.

G. O., No. 1,067, dated 7th April 1866.
,, ,, 2,311, ,, 21st July ,,
,, ,, 2,766, ,, 9th Sept. 1867.
,, ,, 663, ,, 1st March 1870.

SIR,—With reference to your letter of the 6th June 1870, No. 357 B. C., I am directed herewith to forward the papers marginally noted, from which it will be observed that the Right Honourable the Secretary of State, while acceding to a recommendation submitted by this Government for the grant of a gratuity to the widow of the late Supervisor Campbell for the valuable services rendered by her husband in Wynaad under circumstances which occasioned his untimely death, suggested that a block of stone, suitably inscribed, should be placed near his grave at the head of the Carcoor Pass. An estimate for the proposed monument was accordingly called for, and was submitted to Government by the Officer in charge of Public Works Operations in Wynaad in August 1867, but as it provided for the use of material liable to rapid deterioration in a climate like that of Wynaad, Major Kennedy was directed to submit an estimate for a stone monument upon a design which was furnished to him. Major Kennedy's letter of the 18th February 1870, No. 115, will explain the cause of the delay that has occurred in his complying with this requisition, and as he now states that he does not consider the design forwarded to him to be suitable for the site on which the monument is to be erected, he has been instructed to submit such a design as he would recommend to be substituted together with an estimate of the probable cost.

No. 258. Read the following letter from the Superintending Engineer in charge of 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 10th June 1870, No. 1,105 :—

I HAVE the honour to enclose, for the consideration and disposal of Government, a letter from Captain Hasted, R.E., Executive Engineer, Eastern Coast Canal, No. 31, dated 16th May 1870. on the subject of G. O., No. 1,192, dated 5th May 1870.

2. Captain Hasted states that his cooly hire daily is from $3\frac{1}{4}$ to $3\frac{3}{4}$ Rupees, and I understand that when he carries tents, which he must do when working on the extension of the canal, he must pay 4 and 5 Rupees a-day more. His daily travelling allowance as Executive Engineer is 5 Rupees.

From Captain J. O. HASTED, R.E., Executive Engineer, East Coast Canal Range, Madras District, to the Superintending Engineer, 4th Division, dated Camp at Siddaveram, 16th May 1870, No. 31.

FROM a perusal of the Orders of Government, No. 1,192, dated 5th May 1870, I understand that the travelling allowance granted to my predecessor, Mr. Fraser, namely 5 Rupees per diem when out on the canals, and $2\frac{1}{2}$ Rupees per diem when at head-quarters, will not be passed to me, but that I shall draw travelling allowance in future on the same footing as all Range Officers.

2. Special allowances were apparently granted to the Officer in charge of the Canals as the marching establishment he was called upon to keep up was necessarily larger than that required by a Range Officer, and I would beg respectfully to submit, for the consideration of Government, that I am still obliged to maintain the same expensive marching establishment, and that the usual travelling allowance will not nearly compensate me.

3. When travelling by boat, boat-coolies cost me from Rupees $3\frac{1}{4}$ to Rupees $3\frac{3}{4}$ daily, while in order to visit the northern extension I have to send out a horse 80 miles and to convey tents besides; and on the extension, as every thing has to be carried by coolies, I have been obliged, carrying as few things as possible, to pay 7 Rupees a-day for carriage. In addition to this when returning to or leaving head-quarters, I am obliged to hire carts for my baggage and carriage for myself. It will thus appear that my travelling expenses are much greater than any other Range Officer's, and in addition to keeping up tents, I shall have to keep boats in repair, even if they are purchased, as I understand they will be, by Government.

No. 259. ORDER THEREON, 20th June 1870, No. 1,498.

ESTABLISHMENT, No. 23.

UNDER the circumstances represented in these letters, the Government authorize the Controller of Public Works Accounts to pass to Captain Hasted, while employed in charge of the Eastern Coast Canal, half travelling allowance when at head-quarters and the full allowance of Rupees 5 per diem when it may be earned under the rules.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 260. Read the following Proceedings of the Madras Government in the Military Department, dated 20th May 1870, No. 1,449 :—

Read the following letter from the Officiating Quarter Master General, to the Secretary to Government, Military Department, dated Fort Saint George, 6th May 1870, No. 2,590.

IN continuation of this office letter No. 2,407, 26th ultimo, I have the honour, by desire of His Excellency the Commander-in-Chief, to request the orders of

Government on the following points connected with the recent appointment of a 1st Class Barrack Master to Fort Saint George.

2. The duties of the newly appointed Barrack Master being similar to those of other Barrack Masters who were appointed, under the General Order noted in the margin, to Bangalore and other stations, and under which only barracks and hospitals and the furniture pertaining to those buildings are in his charge, it has been reported that, with reference to paragraph 7 of the Order of Government, No. 1,092 of 21st April last, all public and military buildings have been handed over to the Barrack Master, with the exception of the Government Office and Accountant-General's Office, which alone are considered Civil buildings.

G. O. G., dated 21st December 1866, No. 477.

3. With the said buildings has been also made over the entire conservancy of the fort in general, including the supervision of the establishments pertaining thereto, which are paid for by the Public Works Department, also the lighting and watering of the fort, and the conservancy of the Chepauk buildings.

4. I have therefore to request that orders may be issued for the transfer to the Department Public Works of the charge of all buildings with the duties connected with them, and the furniture in such buildings, leaving only the barracks and hospitals of the troops and furniture of these buildings in charge of the Barrack Master.

5. In the case of the Military hospital at Madras, which forms a part of the General Hospital, it should be defined that the military portion of the building with its furniture alone come under the Barrack Master.

6. Certain contracts were entered into by the late Barrack Master, in which both Civil and Military buildings were provided for. Those now in force might be transferred from the present Barrack Master, to whom they were made over, to the Public Works Department.

7. Further, the rules in the Public Works Code require modification, which grant to the Presidency Barrack Master authority for exercising the same functions in regard to Military buildings in the Presidency as Executive Engineers hold in Divisions, and for sanctioning estimates for repairing buildings not exceeding Rupees 500. *Vide* G. O. C. C., No. 13, dated 8th February 1866, paragraphs 25 and 42.

In paragraph 4 of Proceedings of Government, No. 1,092, dated 21st April 1870, it is stated that the Right Honourable the Governor in Council "determines to make this appointment an ordinary Barrack Mastership," and in paragraph 7 of the same order it is directed that all the "Civil buildings will be handed over to the Executive Engineer under orders from the Public Works Department." The intention was that all buildings, with their furniture, save the barracks and hospital of the troops, inclusive of the Military portion of the General Hospital, and such other buildings as can be classed as military, as for instance, those specified in the margin, should be so transferred.

Arsenal.
Commissariat Stores.
Gun-Carriage Manufactory.
Gun Powder Factory.
Bullet Factory.

2. The several Departmental Offices, whether Civil or Military, should, in the opinion of Government, be also under the charge of the Public Works Department.

3. The Right Honourable the Governor in Council considers, however, that the conservancy of the fort in general, including the supervision of the establishments pertaining thereto, also the lighting and watering of the fort should continue to be considered as a part of the duty of the Barrack Master of Fort Saint George.

4. The transfer of contracts as proposed is sanctioned.

5. The proposition contained in paragraph 7 of the letter above recorded will be dealt with by the Department Public Works, to which it will be referred.

(True Extract.)

(Signed) J. MICHAEL, Major,
Offg. Deputy Secretary to Government.

No. 261. ORDER THEREON, 20th June 1870, No. 1,499.

ESTABLISHMENT, No. 24.

COMMUNICATED to the Superintending Engineer of the 4th Division in continuation of G. O., No 1,113, dated 26th April 1870.

2. Under the provisions of Chapter V. of the Public Works Code the powers of the Barrack Master at the Presidency in connection with the Military buildings under his charge are identical with those of a Divisional Officer of the Quarter Master General's Department, but with reference to the changes contemplated in the foregoing Proceedings, His Excellency the Governor in Council resolves to withdraw those powers, and to direct that the repair, etc., of the buildings which the present Barrack Master is to have charge of, be carried out under arrangements similar to those which are in force regarding Military buildings at the Presidency generally.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 264. Read the following letter from the Government Pleader, Madras, to the Secretary to Government, Public Works Department, dated Madras, 6th June 1870, No. 68 :—

I HAVE the honour to acknowledge the receipt of the Order of Government, noted in the margin, requesting my opinion on the expediency of the adoption of a form of contract, proposed by Captain Oakes, for the execution of petty works, and also upon certain points connected with such contracts.

Dated 16th May 1870, No. 1,261.

2. If I rightly understand the matter, the proposed form of contract is intended to meet the cases, mentioned by Captain Oakes, where there is no specification and no tender and all the particulars are contained in the estimate, rendering it necessary that any special stipulations for the protection of the interests of Government should be embodied in the contract itself.

3. The clause in the form proposed by Captain Oakes, providing for forfeiture of the deposit and non-payment for work done in the event of failure by the

Contractor, is not, in my opinion, one that could be enforced in a Court of Law. In the absence of any such condition, if any work were really done under the contract, the Contractor, though he failed to complete the works in strict conformity with the terms of the contract, would be entitled (according to English Law, which would doubtless be followed in a case of this sort by the Courts here,) to payment for work actually done; and the way in which the amount to be paid to him would be ascertained would be by deducting from the contract price the sum which would be required to complete the work strictly according to the contract. The effect of the clause in question would be, on the slightest failure on the part of the Contractor, to mulct him not only in the amount of the deposit, which is declared to be intended as liquidated damages, but also in the value of work already done and materials supplied; a provision so highly penal that, I think, the Courts here, as Courts of Equity, would relieve against it. Neither does such a stringent provision appear to be necessary in the interests of Government. The amount of deposit is supposed to be fixed so as to cover all loss, even from total failure on the part of the Contractor, and therefore Government cannot be losers by having to pay for work of which they obtain the benefit.

4. The next clause in Captain Oakes' draft appears to me in its present form objectionable on similar grounds. It puts it in the power of the Range Officer to preclude the Contractor from completing the contract, and at the same time to exact the penalty for non-completion; in fact to annul the contract and yet to treat it as existing for the purpose of inflicting the penalty. It is also imperfect in that it does not specify whether in such a case the Contractor is to be paid either the full contract price or the value of the work already done. Legally, he would be entitled, I think, to the latter.

5. The clause providing that the contract shall be binding on the Contractor's heirs, etc., is, in my opinion, wholly unnecessary. The English Law as to the difference between contracts in which the heirs are bound and other contracts, has no application here. If the obligation under the contract is by law binding on the Contractor's heirs, the clause cannot make it more so, neither can it make so if it is not.

6. On the whole I have thought it better to draw up a form of a simple agreement for the execution of petty works, such as I should recommend being adopted, with any additions and modifications which may suggest themselves to Government or to Captain Oakes.

7. The questions raised in paragraph 3 of Captain Oakes' letter, relate, I presume, to the case of contracts for the performance of which a bond in the form referred to in paragraph 1 of the same letter is given. Both Captain Oakes' form and the one herewith submitted provide for forfeiture of the deposit as liquidated damages in case of failure by the Contractor; a similar provision might be inserted in the specification or in the tender signed by the Contractor in ordinary cases. In cases where no security is deposited the amount of liquidated damages agreed upon might safely, on failure by the Contractor, be deducted from any sum which might be due to him for work done.

8. I return the eight enclosures forwarded to me with the above Proceedings.

FORM OF CONTRACT OF PETTY WORKS.

AGREEMENT made the day of between A. B. of, etc., of the one part and C. D., Superintending Engineer, Division, for and on behalf of the Secretary of State for India in Council of the other part. The said A. B. in consideration of the sum of hereinafter agreed by the said C. D. to be paid agrees to execute and complete within months from the date of these presents all the works specified in Estimate No. of sanctioned by the said C. D. for the construction of a* [according to the Specification and Plan furnished by the said C. D.] and to provide good, proper, and sufficient materials for the said works the workmanship and materials of such works to be to the satisfaction of the Officer for the time being of the Range to be testified by a writing under his hand and the said C. D. agrees that he or his successors will pay or cause to be paid to the said A. B. his heirs or representatives the sum of upon the completion of the said works in accordance with this Agreement; and it is hereby agreed that the said A. B. shall immediately upon the execution of these presents deposit with the said C. D. the sum of as security for the due performance of this Agreement and that if the said A. B. shall make default in the performance of all or any of the terms of this Agreement he shall forfeit the said sum of as liquidated damages for such default. And it is hereby further agreed that if the said A. B. shall not complete the said works within the said months according to this Agreement, or if, at any time before the expiration of the said period, it shall appear to the Range Officer for the time being that the said A. B. is neglecting or delaying to carry on the said works, and that the same will not be completed within the specified time, then it shall be lawful for the Range Officer, upon giving days' notice of his intention so to do, to take the said works out of the hands of the said A. B. and complete the same himself or employ any other Contractor so to do, using any materials which may then be upon the spot, and the costs of all materials and labour necessary to complete the said works in accordance with the said estimate (Specification and Plan) shall be deducted from the said sum of hereby agreed to be paid, or if the said costs hall exceed such sum the said A. B. shall make good the difference which may be deducted from the said sum of deposited as security in case the same shall not have been forfeited as aforesaid.

* Here insert description of work.

If there is no Specification or Plan, words in brackets to be omitted.

No. 265. ORDER THEREON, 20th June 1870, No. 1,501.

ESTABLISHMENT, No. 25.

G. O., No. 1,261, dated 16th May 1870.

IN April last the Superintending Engineer of the 6th Division brought to notice that the form of Contract Bond circulated with G. O., dated 27th January 1869, No. 245, could be made applicable only to Contracts for large Public Works, but that it would not meet the requirements of petty works for which neither specifications are required nor tenders invited. Captain Oakes accordingly submitted a form of agreement which, in his opinion, would be suitable for this class of works, and that form, together with the Superintending Engineer's letter, was forwarded to the Government Pleader for an expression of his opinion. This Mr. Handley now gives in his letter above recorded, and submits an alternative form which he recommends may be adopted with such modifications as may be deemed advisable.

2. Before passing final orders on the subject the Government would wish to have before them the views of the several Superintending Engineers on the form of

agreement submitted by the Government Pleader, and the papers marginally noted will therefore be communicated to them with a request that they will submit their opinions as early as possible.

G. O., No. 1,261 of 16th May 1870.
Forms of Contract.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 268. Read the following letter from the Superintending Engineer in charge of 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 10th June 1870, No. 1,096 :—

MR. SUB-ENGINEER SMITHERS joined the East Coast Canal Range in March last under the Notification published in the *Fort Saint George Gazette*, dated 1st February 1870, No. 116, and has been placed in special charge of the project for the extension of the Canal northwards from Doogarajapatam.

2. As no establishment has been allowed him to carry on his office work and to assist him, I have the honour to request that you will be good enough to obtain the sanction of Government for the employment, under his orders, at least of an Overseer's establishment, consisting of a Writer at 15 Rupees, and two Lascars at 6 Rupees per mensem, total 27 Rupees.

No. 269. ORDER THEREON, 21st June 1870, No. 1,503.

ESTABLISHMENT, No. 26.

THE Government authorize the entertainment by Mr. Sub-Engineer Smithers of an establishment at a monthly cost of Rupees 27, which will be charged to the Budget allotment for Temporary Establishments.

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

No. 281. Read the following letter from the Acting Superintending Engineer, 8th Division :—

Submits, for the information and orders of Government, the correspondence, etc., on the subject of the Suit that has been brought against Sub-Engineer Mr. Colquhoun and Overseer Soobramanya Pillay by certain ryots of Aroomoogamungalum, and requests that permission may be given for the Range officer to defend the Suit. } (Here enter No. 467, dated 2nd June 1870.)

No. 282. ORDER THEREON, 21st June 1870, No. 1,510.

ESTABLISHMENT, No. 27.

IN this letter the Superintending Engineer of the 8th Division requests the permission of Government to defend a Suit which has been instituted in the District Moonsiff's Court at Strivigunturn by the ryots of Aroomoogamungalum against Mr. Colquhoun, the Officer in charge of No. I. Range, Tinnevelly, Overseer Soobramanya Pillay, and others, for the recovery of certain losses alleged to have been sustained by the opening of a syphon-sluice which passes under the channel supplying their tank, and by the

removal of a cross-bund erected by the ryots for the purpose of preventing the action of that sluice. In making the application Major Payne submits the voluminous correspondence which has taken place between the Revenue and Public Works officers regarding the proceedings which have led to this Suit.

2. It appears that the sluice in question was constructed in 1863 for the drainage of the Perungolum lands and of a part of those of Aroomoogamungalum. In December last, or about that time, the ryots of the latter village are represented to have closed the sluice and to have thrown a bund below it, and thus, while diverting the entire stream from the channels above into their tank, cutting off the supply to Korkai and submerging the Perungolum lands. The proceedings of the ryots having attracted the attention of the Head Assistant Collector while on a tour, that officer directed the Overseer to place the bunds in proper repair and then to clear out the sluice and to remove the bund, but owing to the resistance offered by the Aroomoogamungalum ryots, those measures were only carried out after the Revenue officers had personally interfered. The Suit now instituted is for the recovery of losses which the ryots allege they have sustained, but which in reality do not appear to have occurred.

3. The correspondence between the Revenue and Public Works officers above referred to appears to have originated with an application from Mr. Colquhoun to the Collector for the Head Assistant and the Deputy Collector to be included as defendants in the Suit on account of the part taken by them in the matter. The Collector objects to this proposal on the ground that, as a preliminary to the opening of the sluice, Mr. Colquhoun neglected to carry out certain repairs which were pointed out to him as necessary, alleging as his reason that they ought to be performed by the ryots of Perungolum as kudimaramut in accordance with an agreement which they had entered into. This Mr. Colquhoun seems conclusively to have shown was the case, but it would have been better had he carried out the repairs and left the question of the recovery of their cost to be settled afterwards.

4. His Excellency in Council does not see that any useful purpose will be served by further considering the matter of the differences which have arisen between the officers of the Revenue and Public Works Departments, and have entailed the waste of much valuable time. There are, however, considerable discrepancies in the account given by Mr. Colquhoun in his letters of the 15th and 20th May of the part taken by him in the removal of the obstruction to the free flow of water through the sluice, and looking to all the circumstances of the case, His Excellency in Council, while authorizing the defence of the Suit to be undertaken in the first instance at the public expense, will defer the consideration of the question as to whether the costs shall or shall not be borne by the State till after the termination of the Suit.

5. The Governor in Council does not consider it desirable that the Revenue officers should apply to be included in the Suit as defendants, but as the right to retain the syphon-sluice seems to be indirectly raised, the Collector will afford Mr. Colquhoun every assistance in framing the defence, and protecting the right of the State. It is stated by Mr. Colquhoun that on a previous occasion this right was affirmed by the Courts; if this be the case, the fact should be stated in the defence.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 289. Read the following letter from the Acting Superintending Engineer, 7th Division, to the Secretary to Government, Public Works Department, dated Camp at Caroor, 11th June 1870, No. 57 :—

With reference to G. O., No. 1,396, dated 4th June, and No. 1,405, dated 6th June, I have the honour to report that, agreeably to the instructions therein conveyed, I have, by reducing the Imperial Petty Establishment of the 7th Division to the lowest possible ebb, provided for the salaries of the two Indentured Apprentices named in the margin, and also for retaining the services of S. J. Loane for employment on the Lawrence Asylum Works.

James Burn.
Henry Weir.

2. As it is quite out of the question to make any further reductions in the Imperial Petty Establishment of the 7th Division, now amounting only to a monthly disbursement of Rupees 195, I regret I am unable to provide S. J. Loane with the outfit allowance sanctioned, namely Rupees 100, which so long as his services be retained, may, I think, be fairly withheld from him, and only paid to him in the event of his leaving the work from savings effected by the cessation of his salary.

Soliciting the sanction of Government, I have, etc.

No. 290. Order thereon, 22nd June 1870, No. 1,514.

ESTABLISHMENT, No. 28.

The arrangement proposed in paragraph 2 is approved.

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

No. 294. Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Bangalore, 20th June 1870, No. 51 :—

In reference to G. O., 7th May 1870, No. 1,212, I have the honour to request the orders of Government as to whether the sum of Rupees 221-4-0, reported by the Executive Engineer, Ossoor Range, (as per enclosed correspondence), to be lost to Government, owing to carelessness on the part of Mr. Hennessy, is to be recovered in whole or part from that Overseer, or written off to " profit and loss."

One copy of correspondence.
One list.

No. 295. Order thereon, 22nd June 1870, No. 1,517.

ESTABLISHMENT, No. 29.

Before passing final orders on these papers, the Government request to be furnished with more definite information

regarding the circumstances under which the loss of the articles referred to took place. Mr. Hennessy should be called upon to submit such explanations as he may have to offer upon the subject.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 303. Read the following letter from the Acting Superintending Engineer, 8th Division, to the Secretary to Government, Public Works Department, dated Palamcottah, 10th June 1870, No. 590 :—

In submitting as desired* Mr. Supervisor Seton's case,† I have the honour to draw your notice to the last paragraph thereof and to Dr. Thompson's letter of the 7th instant, No. 33, copy of which I enclose.

* G. O., No 160, of 24th May 1870.
† Prepared by Dr. Thompson, Zillah Surgeon, Tinnevelly.

2. I consider without a certificate from the Doctor, or permission from myself, Mr. Seton should not have left the Tinnevelly District, for he had had orders to take charge of the 1st Range during the absence on privilege leave of Mr. Colquhoun.

3. Moreover, on merely getting a certificate of recommendation for two months' leave from Dr. Fletcher, Zillah Surgeon of Madura, I think Supervisor Seton acted in a most undisciplined manner in availing himself of the leave before obtaining the necessary permission from the head of his department, and in departing from the district without reporting the fact of his having done so. His conduct in the case appears to me to be very reprehensible.

No. 304. Order thereon, 22nd June 1870, No. 1,521.

ESTABLISHMENT, No. 30.

It appears from these papers that Mr. Supervisor Seton was under the treatment of Dr. Thompson, the Acting Zillah Surgeon of Tinnevelly, between the 25th March and the 18th April last, on which latter date Dr. Thompson considered Mr. Seton fit to return to duty. In a letter, dated the 26th April, Mr. Seton informed the Superintending Engineer that, dissatisfied with Dr. Thompson's treatment he thought it best to proceed at once to Madura and consult the Zillah Surgeon at that station. Mr. Seton left the Tinnevelly District before hearing from the Superintending Engineer, and having obtained from Dr. Fletcher a certificate recommending him for two months' leave of absence to Negapatam, Mr. Seton proceeded to that station without even reporting his departure.

2. Under the circumstances the Government consider Mr. Seton's conduct to be highly reprehensible, and he will now be regarded as absent without leave. On his return to duty Mr. Seton will be called upon to furnish full explanation of his rregular proceedings.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 343. Read the following letter from the Officiating Quartermaster General, to the Secretary to Government, Military Department, dated Fort Saint George, 13th June 1870, No. 3,280 :—

WITH reference to order of Government, No. 2,960, of 13th August 1869, conveying instructions for the re-occupation of Calicut by a detachment of European Infantry, I have the honour to forward, for submission to Government, copy of a letter received from the Officer Commanding Mysore Division, reporting that the house (Rock Hall) which has hitherto been rented by Government as quarters for the Commanding Officer, has been sold, and that the Commanding Officer now in occupation has received notice to quit by the 1st August next.

2. The renting of this house, as the Commanding Officer's quarters, was sanctioned, in order of Government, No. 4,729, of 22nd December 1865. It is situated near the Troop's quarters, and it is most desirable that it should be retained for the Commanding Officer's use. There is no other house available; under these circumstances I am instructed by His Excellency the Commander-in-Chief to recommend that steps may be taken by Government, in the Public Works Department, to secure the retention of Rock Hall as quarters for the Officer Commanding Calicut, for so long as a European Detachment is quartered at that station.

From the Officer Commanding Cannanore, to the Quartermaster General, Fort Saint George, dated Cannanore, 2nd June 1870, No. 75.

I HAVE the honour to state, for the information of His Excellency the Commander-in-Chief, that the Officer Commanding Calicut reports that a notice has been received by him from Captain G. V. Law, Executive Engineer, of his having purchased the Rock Hall from Colonel Bean, R.E., and that the house will be wanted as a private residence from the 1st August 1870. I have the honour to request information as to whether the Officer Commanding Calicut is to vacate the same without an order from Government, it being at present rented by Government.

2. In the event the Officer Commanding Calicut having to vacate Rock Hall, there is no available house for the Officer Commanding the station; I have, therefore, to request information as to where he is to reside.

No. 193.

MYSORE DIVISION,
BANGALORE,
4th June 1870.

(Signed) G. SELBY, Brigr.-General,
Commanding Mysore Division.

TRANSFERRED to the Public Works Department.

FORT ST. GEORGE,
20th June 1870.

(Signed) J. MICHAEL, Major,
Offg. Depy. Secy. to Govt., M.D.

No. 344. ORDER THEREON, 27th June 1870, No. 1,542.

ESTABLISHMENT, No. 31.

COMMUNICATED to the Superintending Engineer of the 7th Division, who will, with reference to the provisions of Chapter XI. of the Public Works Code* of the Government of India, report what arrangements can be made, under the circumstances stated in these papers, for providing the Commanding Officer with suitable quarters.

* See Controller's Circular, No. VI., dated 6th June 1868.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 362. Read the following letter from the Acting Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Bangalore, 24th June 1870, No. 57:—

I HAVE the honour to request that, under the circumstances stated below, I may be authorized to omit from my future lists of Unanswered References G. O., No. 401, dated 5th February 1868, calling for plans and estimates for separate bathing-rooms for the women of the Cavalry, Artillery, and Royal Horse Artillery at Bangalore.

2. As reported in letter No. 28, of the 2nd May 1868, from this office, the project for separate lavatories was condemned, and in its place asphalting the passage leading from the main rooms into the yards, and using the same as bath-rooms, was recommended by the Committee assembled at the station in March 1868. And this latter project, which was entered in the Budget of 1869-70, was carried out in that year on the estimate of Rupees 2,740, sanctioned in G. O., No. 2,452, dated 27th July 1869.

No. 363. ORDER THEREON, 28th June 1870, No. 1,552.

ESTABLISHMENT, No. 32.

PERMISSION accordingly granted.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 369. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 17th June 1870, No. 929:—

I have the honour to report, for the information of Government, an accident by which an old man and two boys lost their lives. This accident occurred at the Muddoor anicut, a distance of three miles from this station, and, as will be observed from the accompanying letter from the Executive Engineer in charge No. 1 Range, Godavery, was caused by the shed in which the deceased individuals were cooking their food having accidentally taken fire.

One letter, in original, from the Executive Engineer in charge of No. 1 Range, Godavery, to the Superintending Engineer, No. 75, dated 24th May 1870.
One copy of a letter from the Zillah Surgeon, Rajahmundry, to the Officer in charge of No. 1 Range, Godavery, No. 65, dated 25th May 1870.
One Punchayet Report, dated 9th June 1870.
One Arzee from the Station Officer of Atrayapuram, dated 11th June 1870.

2. In bringing this circumstance to the notice of Government, I beg once more to point out the great necessity felt here for medical aid. One of the two boys who survived injuries from the burning of the shed had to be conveyed in a munchiel all the way to Rajahmundry, a distance of very nearly ten miles from

the place of accident, before anything could be done to the injuries he received, and the old man after being brought here died for want of attention. The boy is also reported* to have died subsequently in the hospital at Rajahmundry.

* *Vide* letter from Zillah Surgeon, Rajahmundry, No. 65, dated 25th May 1870.

3. Herewith accompanies the "Punchayet" report, or the report of the cause of the death of the old man, and an Arzee from a Police officer explaining his inability to furnish a similar report as to the cause of the death of the boy burnt in the shed.

From the Officer in charge of No. 1 or Eastern Delta Range, Godavery District, to the Superintending Engineer, 1st Division, dated Dowlaishweram, 24th May 1870, No. 75.

I HAVE the honour to report, for your information, that an old man, named M. Nagadoo, in charge of one of the chunam mills at Muddoor anicut, left the work at 11 A.M. with the other people, and cooked his meal as usual in a small shed adjacent to the lime-shed. When the people returned to the work at 3 P.M. it was discovered that the lime-shed and this man's small shed were burnt down, and on looking amongst the ruins the old man was found very badly burnt, but still alive, also one of his grandsons; the other boy was quite dead. The old man and the boy were sent to the hospital, but only the boy reached there. The old man died at Dowlaishweram. Both the bodies were made over to the Police for Coroner's inquests to be held on them. The only cause for the death is that after cooking his rice the old man must have got drunk on toddy, and, having left the fire burning, a puff of wind set fire to it and destroyed the shed and two of its inmates. As soon as I get a report from the medical officer regarding the boy in hospital, I will report further.

From the Acting Zillah Surgeon, Rajahmundry, to the Officer in charge of No. 1 or Eastern Delta Range, Godavery District, dated Rajahmundry, 25th May 1870, No. 65.

WITH reference to my letter of this date, I regret to have to inform you that the boy got suddenly worse and died just now, 5 P.M.

No. 370. ORDER THEREON, 28th June 1870, No. 1,556.

ESTABLISHMENT, No. 33.

ORDERED to be recorded.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 377. Read the following letter from the Secretary to the Committee for the Examination of Assistants, to the Secretary to Government, Public Works Department, dated Madras, 16th June 1870, No. 478 :—

I AM directed by the President to enquire, with reference to the Order of Government, 19th March 1870, No. 818, Public Works Department, whether

Government intend that the Departmental Test, referred to in paragraph 2 of that Order, is now to be considered as obsolete, and that all members of the Public Works Department are in future to be examined exclusively according to the standards laid down for Military Officers.

No. 378. ORDER THEREON, 29th June 1870, No. 1,560.

ESTABLISHMENT, No. 34.

THE Secretary to the Committee for the Examination of Assistants will be informed that the Orders of the 19th March 1870, No. 818, were not intended to make any change in the existing rules for the examination of the members of the Public Works Department in the vernaculars, and as there is only one standard of examination for that department, the allowance to be passed to *Covenanted* Engineers under the Orders above quoted will be fixed at Rupees 180.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Governmet.

No. 381. Read the following letter from the Acting Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Bangalore, 23rd June 1870, No. 56 :—

ADVERTING to my letter, No. 46, of the 13th instant, I have the honour to report that I have transferred P. Rungasawmy Naidoo, Overseer of the Munnargudy Division, Chellambram Talook, South Arcot, to Tripatore Talook, Salem District, and I have appointed, as his successor, A. Coopoosawmy Moodelly, Draughtsman of No. 4 Range office, South Arcot, whose employment in the grade of an Overseer was authorized in the Order of Government of 20th April 1870, No. 1,037.

No. 382. ORDER THEREON, 29th June 1870, No. 1,562.

ESTABLISHMENT, No. 35.

ORDERED to be recorded.

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

No. 396. Read the following letter from the Special Executive Engineer, Wynaad, to the Secretary to Government, Public Works Department, dated Vythery, 25th June 1870, No. 442 :—

I SHALL be much obliged by being informed whether, in the event of stores, etc., for departmental use being consigned to the care of an officer of the Public

Works Department in charge of a Range, but which stores are not for the use of his own Range, it is a part of his duty to make all the necessary arrangements for forwarding same to the Range for which intended, although it may be in another Division ? or whether Government will permit the employment of a private agent in such cases ? Of course the latter would entail extra cost.

No. 397. ORDER THEREON, 30th June 1870, No. 1,569.

ESTABLISHMENT, No. 36.

THE Officer in charge of Public Works Operations in Wynaad will be informed that it is the duty of an Executive Officer to whose care stores intended for use in a Range other than his own are consigned, to arrange for their prompt despatch to their destination.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

No. 406. Read the following letter from the Director of Public Instruction, to the Chief Secretary to Government, Fort St. George, dated Madras, 8th April 1870, No. 651 :—

AT the request of the Principal of the Civil Engineering College, I have the honour to submit the accompanying letter from that Officer, dated the 19th ultimo, for the consideration of Government.

2. As I understand Captain Edgcome's views, he wishes to see the teachers in the Civil Engineering College, as far as possible, graded in the Public Works Department, so as to be constituent members of that department. If this were done, the teachers would, by service in the College, qualify themselves for advancement in pay and rank in the Public Works Department.

3. The question mooted seems to me to be one for decision in the Public Works Department rather than in the Educational.

4. For my own part, after careful reflection upon the subject, I doubt if there is good reason for modifying the plan on which the College is constituted.

5. It is certainly not necessary that the teachers in the College should belong to the Public Works Department; indeed, it does not seem advisable that all the Masters should come from that department, and at this moment, without noticing other cases, the Senior Assistant Master, Mr. Bradshaw, who teaches the very important Mathematical subjects, has no connection with that department.

6. It is to be recollected too that the quiet and freedom from exposure, pertaining to ordinary class-teaching, are attractions to many men who would be by

no means qualified to discharge the out-of-door and physically trying duties of subordinates in the Public Works Department, and that the converse is equally true.

7. Without in any way wishing to disparage the work of Captain Edgcome and his Assistants, who, I fully believe, have done all in their power to raise the College, I must observe that I do not think any considerable increase of expenditure upon the institution would be justifiable. I fear it would be long, owing to circumstances over which Captain Edgcome and his Assistants have no control, before any decided advance can be made in the out-turn of work from the College. Indeed, it seems not unlikely that the establishment in England of the proposed Civil Engineering College for India will have an injurious effect upon the Madras College, and tend to limit its work to the education of men aiming at entering the subordinate ranks of the Public Works Department.

From the Principal of the Civil Engineering College, to the Director of Public Instruction, dated Chepauk, 19th March 1870, No. 542C.

I HAVE the honour to request that you will be good enough to submit, for the special consideration of Government, the question whether now that the charges of this College are provided by the Public Works Department, and that the Institution would therefore seem to form an integral portion of that department rather than of the Educational Department, it is not necessary, or at any rate desirable, that the members of the staff of the College should, as far as possible, be graded in the Public Works Department, in grades commensurate with their qualifications and service, as obtains at the Thomason College, Roorkee.

2. I would here remark that, under the authority marginally noted, service on the Educational staff of the College is reckoned as qualifying service for promotion to the *Warrant* grade in the Public Works Department, and it would appear to be equally just and reasonable that such service should also count for promotion in the *executive branch* of that department, and I would repeat that this is the system that now obtains at the Roorkee College.

G. O., in Military Department, No. 1,398, dated 20th April 1866.

3. In communication with the Principal of that Institution, I have ascertained that the masters there are *graded* according to their standing, receiving however a higher salary at the College than that corresponding to their grade in the Public Works Department. This arrangement is made with the two-fold object of compensating them for the labour of *teaching*, and in order that their services may be retained in the College for a fairly lengthened period, that is, until their promotion in the Public Works Department would entitle them to a salary greater than, or at least equal to, that they receive at the College, as it is found that frequent changes in the Educational staff are injurious to efficiency.

4. If this principle of grading in the Public Works Department be conceded and applied in the Madras Civil Engineering College, (and it is difficult to understand why the system that obtains at Roorkee should not be put in practice here,) there remains the question as to the precise grades which the present members of the College staff should occupy in the Public Works Department.

5. If regard were had to the date of their *qualifying* for, or first entering, the Public Works Department or, in other words, if they were graded in the same grades as their contemporaries now serving in that department, it would involve an increased expenditure that I am confident

the Government would not be prepared to recommend for sanction; moreover, I doubt the justice of giving such retrospective effect to my proposal, which I would therefore accordingly base on the rate of salary now drawn in the College by the masters concerned.

6. The result of such a measure is shown in the accompanying tabular statement, from which it will be seen that, with one exception, (Mr. Evans,) the present salaries are in excess of the proposed grades in the Public Works Department, and therefore that the scheme in force at Roorkee could be readily carried out here, at least I am unable to see any practical difficulty in effecting it.

7. Mr. Evans' long services in this College, (now extending over nine years,) and his great abilities and aptitude as a teacher of Mathematics entitle him to special consideration, and I would venture to hope that if he be graded as Supervisor, 2nd grade, his salary may be raised from 120 Rupees to 150 Rupees, the pay of that grade, with effect from 1st proximo, the increase to be met from general savings in the College Budget.

8. I hesitate to make mention of my own services as Principal, but am not without hope that Government will favourably consider the following facts, which I present in support of an application for an increase of salary.

9. I have now served more than seven years as Principal on the salary fixed by Government Order, No. 1,341, dated 1st June 1859, when the College was limited to seventy students, and when the highest course of instruction was that prescribed for the grade of Overseer.

10. Just before I took charge of the office a First Department was added to the College, (*vide* Government Notification, dated 28th March 1862,) the course of instruction in which was regulated to prepare students for the grade of Assistant Engineers in the Public Works Department, and to meet the requirements of the University for the degree of Bachelor of Civil Engineering (B.C.E.), and since its formation twenty-five have qualified as Assistant Engineers, six of whom have taken their degree of B.C.E.

11. The addition of this department has not only increased the Principal's share of the instruction of the students, but the course of instruction is necessarily of a higher order and of a more extended character than obtained before my Principalship; moreover, the College now contains over 100 students, and in fact is almost up to its full accommodation strength.

12. I therefore venture to hope that the Government will be pleased to consider all these circumstances, and that with a view of placing me somewhat on a footing with the Principal of the Roorkee College, (who draws 850 Rupees staff salary in addition to regimental pay and allowances, and where the course of instruction is practically the same as in this institution,) I may be recommended for an increase to my present staff salary of 200 Rupees per mensem.

13. I feel that I have selected an unfortunate time to bring forward a measure involving additional expenditure; but when the College charges were provided by the Educational Department, I did not feel at liberty to propose the system of grading the College staff in the Public Works Department, and until I had completed seven years' service I did not think it fitting to urge my own claims for consideration, and I do so now with hesitation, but not without hope that if owing to financial difficulties the Government are obliged to defer the consideration of the subject, the sanction when obtained may have retrospective effect from 1st April 1870.

14. I have not alluded above to my own grading in the Public Works Department, but I would here add that I should esteem it a great privilege and boon to be graded as Executive Engineer of the 1st class, a position to which my length of service and present salary may be held to entitle me.

15. I beg that you will do me the favour of submitting this letter to the Secretary to Government in the Public Works Department, with a view to ascertain if there would be any practical difficulty in carrying out the proposed grading of the College staff.

Statement showing the proposed scheme of grading the Masters of the Civil Engineering College in the Public Works Department.

Names.	Designation of office.	Number of years served in the College.	Present salary.	Proposed grade in Public Works Department.	Salary of the grade.	Remarks.
		Y. M.	RS.			
Mr. H. F. Gilby ...	Head Master Surveying, Drawing, and Estimating.	11 7	275	Assistant Engineer, 3rd Grade.	200	Qualified as Assistant Engineer, Public Works Department, in 1856, and joined the College as Assistant Master on 1st September 1858.
Mr. W. P. Evans ...	Second Mathematical Master.	9 5	120	Supervisor, 2nd Grade ...	150	Passed out of the College in 1860 as head of his batch, qualified as Overseer, and joined the College as Master of the Special Department on 27th October 1860.
Serjeant J. Schoury ...	Second Surveying, Drawing, and Estimating Master.	5 1	120	Do. do. ...	100 with Military pay and allowances.	Passed out of the College as Overseer in May 1863; served in Public Works Department for 1½ years; has excellent testimonials; joined the College as Assistant Master in 20th February 1865.
Quarter Master Serjeant A. Milne.	Master of the Special Department.	1 1	100	Overseer	60 with Military pay and allowances.	Passed out of the College in May 1865 as Overseer; served in Public Works Department for 3½ years; well reported of; joined his present appointment in 22nd February 1869.

(Signed) W. H. EDGCOME, Captain, R.E.,
Principal of the Civil Engineering College.

CHEPAUK,
19*th March* 1870.

REFERRED to the Department of Public Works for report.

FORT SAINT GEORGE,
12th April 1870.

(Signed) R. S. ELLIS,
Chief Secretary.

No. 407. ORDER THEREON, 30th June 1870, No. 1,574.

ESTABLISHMENT, No. 37.

ORDERED to lie over.

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

No. 412. Read the following Proceedings of the Madras Government in the Telegraph Department, dated 24th June 1870, No. 35 :—

Read the following Circular from the Officiating Junior Under-Secretary to the Government of India, Foreign Department, to the Chief Secretary to Government, Fort St. George, dated Simla, 14th June 1870, No. 983 P.

SEVERAL instances having occurred of late in which the paper containing the interpretation of a cypher telegram has been put up in a file with the cypher telegram, I am directed by the Viceroy and Governor-General in Council to intimate that such a course should never, under any circumstances, be pursued. The cypher telegram when decyphered, should be at once destroyed. The interpretation of the message would then alone remain, and so nothing would exist to give a clue to uninitiated persons of the code, the secret of which it is essential to confine to such officers as are entrusted with a copy of it. I am to request that the mode of procedure which I have had the honour to indicate may henceforth be strictly observed.

COMMUNICATED to all Departments of the Secretariat.

(True Extract.)

(Signed) R. S. ELLIS,
Chief Secretary.

No. 413. ORDER THEREON, 30th June 1870, No. 1,577.

ESTABLISHMENT, No. 38.

ORDERED to be recorded.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.